

Application No.: 09/485,679
Art Unit: 2685
Examiner: Sheila B. SMITH

LIST OF CURRENT CLAIMS

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1. (Currently Amended) A mobile radio system having a plurality of mobile terminals (ME) connected with a mobile switching center (MZ) via an air interface for communication control and optionally for billing, the mobile terminals (ME) being controlled by a subscriber identity module (SIM) in which data for associating at least one user are stored, the subscriber identity module (SIM) having an identity (IMSI) associated therewith, wherein the subscriber identity module (SIM) contains a calculation rule for calculating and generating from the stored identity (IMSI) at least one further new identity (IMSI_w), the new identities generated by the calculation rule being associated accordingly in the mobile switching center (MZ).

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2. (Currently Amended) A mobile radio system having a plurality of mobile terminals (ME) connected with a mobile switching center (MZ) via an air interface for communication control and optionally for billing, the mobile terminals (ME) being controlled by a subscriber identity module (SIM) in which data for associating at least one user are stored, the subscriber identity module (SIM) having an identity (IMSI) associated therewith, wherein the subscriber identity module (SIM) is configured to generate a request signal and in response to the request signal the mobile switching center (MZ) communicates ~~an alternative~~ a new identity (IMSI_w) associated with the subscriber identity module (SIM).

3. (Previously Amended) A mobile radio system according to claim 1, characterized in that the calculation or request for a new identity (IMSI_w) is effected by a user entry via keyboard or menu.

4. (Previously Amended) A mobile radio system according to claim 1, characterized in that the calculation or request for a new identity (IMSI_w) is initialized by entry of a PIN.

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5. (Previously Amended) A mobile radio system according to claim 1, characterized in that a further directory entry and/or a further key are calculated together with the further identity (IMSI_w).

6. (Currently Amended) A method for operating mobile terminals (ME) of a mobile radio system which are controlled by a subscriber identity module suitable for operation with at least two identities, wherein the further new identities are generated by a calculation rule from a single identity (IMSI) stored in the subscriber identity module (SIM).

7. (Original) A method according to claim 6, characterized in that the calculation is executed in the subscriber identity module (SIM).

8. (Original) A method according to claim 6, characterized in that the calculation is performed in the mobile switching center (MZ) at the request of the mobile terminal (ME), and the new identity is communicated to the mobile terminal (ME) via the air interface of the mobile radio system.

9. (Previously Amended) A method according to claim 5, characterized in that an identity is set by entry of a personal identification number (PIN) via menu and/or keyboard.

10. (Previously Amended) A method according to claim 6, characterized in that a further directory entry and/or a further key are calculated together with the further identity (IMSI_w).

11. (Previously Amended) A method according to claim 6, characterized in that the further identity (IMSI_w) is newly calculated at each check or request by the mobile switching center (MZ) or the mobile terminal (ME).

12. (Previously Amended) A method according to claim 6, characterized in that the further identity (IMSI_w) is stored temporarily in the subscriber identity module (SIM) until a new identity (IMSI) is selected or the mobile terminal (ME) is turned off.

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13. (Currently Amended) A subscriber identity module (SIM) for a mobile terminal (ME) in a mobile radio system in which an identity (IMSI) for a user is stored, characterized in that wherein a calculation rule is stored in the subscriber identity module (SIM) for calculating from the stored identity (IMSI) to generate at least one further new identity (IMSI_w).

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14. (Currently Amended) A subscriber identity module (SIM) for a mobile terminal (ME) in a mobile radio system in which an identity (IMSI) for a user is stored, wherein the subscriber identity module (SIM) is configured to generate a request signal which requests an alternative a new identity (IMSI).

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15. (Previously Amended) A subscriber identity module (SIM) according to claim 13, characterized in that the subscriber identity module contains a temporary memory area (RAM) for temporarily storing a further identity (IMSI_w) which is calculated or communicated by the mobile switching center (MZ).

16. (Previously Amended) A subscriber identity module according to claim 13, characterized in that a memory address pointer is provided for pointing to a selected temporary memory location where the current selected identity (IMSI, IMSI_w) is stored.